

METHOD AND SYSTEM FOR
LATENCY-INDEPENDENT PERIPHERAL DEVICE IDENTIFICATION

ABSTRACT OF THE INVENTION

5 Method and system for latency-independent peripheral device identification. In one embodiment, a computer system receives an interrupt from a peripheral device coupled to a computer system communications port. In response, an interrupt notification message is posted alerting a notification handler running on the system. It is determined whether the interrupt is

10 10 indicates peripheral class compliance. In one embodiment, communications port device sense pin voltage is determinative. If the interrupt indicates peripheral class compliance and the communications port is inactive, the port is opened, and inquiry sent to the peripheral device via the open port. The computer system then waits for response from the peripheral device. If

15 15 response is received within a predetermined time, identification is posted based on the response, including peripheral device classification information, so that a software handler registered with the operating system can handle the identification message when received. Thus, this embodiment imposes no time-critical interrupt response.